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with these requirements.

In reply, applicants submit herewith a paper copy of a Sequence Listing as **Exhibit B**. Applicants also enclose a computer readable copy of the Sequence Listing on the enclosed computer diskette, which has the same content as the paper copy attached as **Exhibit B**. Finally, applicants submit herewith as **Exhibit C**, a Statement In Accordance With 37 C.F.R. §1.821(f) averring that the computer readable form containing the nucleic acid and/or amino acid sequences required by 37 C.F.R. §1.821(f) and submitted in connection with the above-identified application, has the same information as that contained in the paper copy of the Sequence Listing attached hereto as **Exhibit B**.

Accordingly, applicants believe that the application now complies with the requirements under 37 C.F.R. §1.821(a)(1) and (a)(2).

Information Disclosure Statement

In accordance with the duty of disclosure under 37 C.F.R. §1.56 and §1.97 (a)-(b), applicants would like to direct the Examiner's attention to the following documents:

1. U.S. Patent No. 5,578,482, issued November 26, 1996, Lippman, M.E. and Lupu, R.
2. Mahanthappa, N. K. et al., (August 1, 1996) Glial Growth Factor 2, a Soluble Neuregulin, Directly Increases Schwann Cell Motility and Indirectly Promotes Neurite Outgrowth, *J.*

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Neuroscience 16(15):4673-4683.

3. International Search Report from International Searching Authority for PCT International Application No. PCT/US00/13157, dated April 20, 2001.
4. Poster for seminar entitled "A role of HEN1 in Neurogenesis and Recent Data on Neuregulin" dated May 20, 1999.
5. Bao, J. et al. (October 1997) Abstract for Society for Neuroscience Meeting, CNIP: A Novel Interactor Protein Specific for the Cytoplasmic Domain of CRD Neuregulin.
6. Bao, J. et al. (October 1999) Abstract for Society for Neuroscience Meeting, Novel Functions of the Cytoplasmic Domain of Neuregulin.
7. Wolpowitz, D. et al. (November 1998) Abstract for Society for Neuroscience Meeting, CRD-NRG In Mouse Peripheral Nervous System Development.
8. Yang, X, et al. (February 1998) A Cysteine-Rich Isoform of Neuregulin Controls the Level of Expression of Neuronal Nicotinic Receptor Channels During Synaptogenesis, *Neuron*, 20:255-270.
9. Chu, G.C. et al., (1995) Regulation of the acetylcholine receptor and subunit gene by recombinant ARIA: an in vitro model for transynaptic gene regulation. *Neuron* 14:329-339.

10. Corfas, G. et al., (1995) Differential expression of ARIA isoforms in the rat brain. *Neuron* **14**:103-115.
11. Falls, D.L. et al., (1993) ARIA, a protein that stimulates acetylcholine receptor synthesis, is a member of the neu ligand family. *Cell* **72**:801-815.
12. Ho, W-H, et al., (1995) Sensory and motor neuron-derived factor. *J. of Biol. Chem.* **270(24)**:14523-14532.
13. Holmes, W.E. et al., (1992) Identification of heregulin, a specific activator of p185^{erbB2}. *Science* **256**:1205-1210.
14. Kuo, Y. et al., (1994) Isolation and characterization of chick and human nARIA, a novel member of the ERBB2/HER ligand family which lacks the immunoglobulin domain. *Soc. for Neurosc. Abstr.* **20**:1095.
15. Kuo, Y. et al., (1993) Expression of members of the neu (ARIA) ligand family in chick and rat central nervous system. *Soc. for Neurosc. Abstr.* **19**:1725.
16. McGehee, D.S. et al., (1995) Nicotine enhancement of fast excitatory synaptic transmission in CNS by presynaptic receptors. *Science* **269**:1692-1696.
17. Mudge, A.W. et al., (1993) New ligands for neu? *Current Biol.* **3(6)**:361-364.

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18. Sivilotti, L. and Colquhon, D. (1995) Acetylcholine receptors: too many channels, too few functions. *Science* **269**:1681-1682.
19. Vartanian, T. et al., (1994) A role for the acetylcholine receptor-inducing protein ARIA in oligodendrocyte development. *PNAS, U.S.A.* **91**:11626-11630.
20. Wen, D. et al., (1992) Neu differentiation factor: a transmembrane glycoprotein containing an EGF Domain and an immunoglobulin homology unit. *Cell* **69**:559-572.
21. Yang, X. et al., (1994) Identification of different ARIA splice variants expressed by chick CNS and PNS neurons during development. *Soc. for the Neurosc. Abstr.* **20**:1095.
22. Lorna W. Role, U.S. Serial No. 08/697,954, filed September 4, 1996, Splice Variants of the Heregulin Gene, nARIA and Uses Thereof, Date of Notice of Allowance March 29, 2001.
23. Wolpowitz, D. et al., Isoform Specific Knockout of Neuregulin-1 gene products: Selective Disruption of Only Cysteine-Rich Domain (CRD)-containing Isoforms, Mouse Genetics Conference, Cold Spring Harbor (1998).

The above references are again listed on the substitute PTO Form 1449 attached hereto as **Exhibit D**. Copies of the above-listed

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documents are attached hereto as **Exhibits 1-23**. Applicants request that the Examiner make these documents of record in the subject application.

If a telephone interview would be of assistance in advancing prosecution of the subject application, applicants' undersigned attorney invites the Examiner to telephone at the number provided below.

No fee, is deemed necessary in connection with the filing of this Communication. However, if any additional fee is required, authorization is given to charge the amount of any such fee to Deposit Account No. 03-3125.

Respectfully submitted,

Jane M. Love

I hereby certify that this correspondence is being deposited this date with the U.S. Postal Service with sufficient postage as first class mail in an envelope addressed to:
Assistant Commissioner for Patents,
Washington, D.C. 20231.

Jane M. Love 5/3/01
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